| L Number | Hits  | Search Text  | DB                  | Time stamp         |
|----------|-------|--|---------------------|--------------------|
| 1        | 14762 | tun\$5 with optic\$3   | USPAT;              | 2002/11/12 09:43   |
|          |       |  | US-PGPUB;           |                    |
| İ        |       |  | EPO; JPO;           |                    |
|          |       |  | DERWENT             |                    |
| 2        | 442   | Transport Same   | USPAT;              | 2002/11/12 09:44   |
|          |       | compensat\$4   | US-PGPUB;           |                    |
|          |       |  | EPO; JPO;           |                    |
| 1,2      | 128   | quitable and (nalamine)  | DERWENT             |                    |
| 3        | 120   | Transport of the control of the cont | USPAT;              | 2002/11/12 09:44   |
|          |       | dispersion same compensat\$4)  | US-PGPUB;           |                    |
|          |       |  | EPO; JPO;           |                    |
| 4        | 70    | (tun\$5 with optic\$3) and ((polariz\$6 same   | DERWENT<br>USPAT;   | 2002/11/12 00 14   |
| ļ        |       | mode same dispersion same compensat\$4)  | US-PGPUB;           | 2002/11/12 09:44   |
|          |       | (switch\$4 and (polariz\$6 same mode same  | EPO; JPO;           |                    |
|          |       | dispersion same compensat\$4)))  | DERWENT             |                    |
| -        | 2174  | (385/24).CCLS.   | USPAT;              | 2002/11/07 13:19   |
| 1        |       |  | US-PGPUB;           | 2002/11/0/ 13:13   |
|          |       |  | EPO; JPO;           | <u> </u>           |
| İ        |       |  | DERWENT             |                    |
| -        | 501   | (359/128).CCLS.  | USPAT;              | 2002/11/05 16:58   |
|          |       |  | US-PGPUB;           |                    |
|          |       |  | EPO; JPO;           |                    |
|          | 1     |  | DERWENT             | ľ                  |
| - '      | 756   | (385/27).CCLS.   | USPAT;              | 2002/11/05 17:14   |
|          |       |  | US-PGPUB;           |                    |
|          |       |  | EPO; JPO;           | ]                  |
|          | 1054  | //250/100\ 0070 \ //005/00\ 0070   | DERWENT             |                    |
| _        | 1254  | ((359/128).CCLS.) ((385/27).CCLS.)   | USPAT;              | 2002/11/05 17:14   |
|          | 1     |  | US-PGPUB;           |                    |
|          |       |  | EPO; JPO;           |                    |
| _        | 3     | ((359/128).CCLS.) and ((385/27).CCLS.)   | DERWENT             | 2002/11/05 17 21   |
|          |       | ((363/27).CCLS.)   | USPAT;<br>US-PGPUB; | 2002/11/05 17:31   |
|          |       |  | EPO; JPO;           |                    |
|          |       |  | DERWENT             |                    |
|          | 3     | (polariz\$6 same mode same dispersion same   | USPAT;              | 2002/11/05 17:38   |
|          |       | compensat\$4) and ((359/128).CCLS.)  | US-PGPUB;           | 2002, 11, 03 1, 30 |
|          | •     |  | EPO; JPO;           | İ                  |
|          |       |  | DERWENT             |                    |
| -        | 125   | (polariz\$6 same mode same dispersion same   | USPAT;              | 2002/11/05 17:39   |
|          |       | compensat\$4) and  | US-PGPUB;           |                    |
|          |       | (((359/115,117,124,128,135,136,139).CCLS.)   | EPO; JPO;           | į.                 |
|          |       | ((385/11,14-17,24,27,28).CCLS.))   | DERWENT             |                    |
| -        | 204   | (switch\$4 and (polariz\$6 same mode same  | USPAT;              | 2002/11/05 17:45   |
|          |       | dispersion same compensat\$4)) ((polariz\$6  | US-PGPUB;           |                    |
| •        |       | <pre>same mode same dispersion same compensat\$4) and</pre>  | EPO; JPO;           |                    |
|          |       |  | DERWENT             |                    |
|          |       | (((359/115,117,124,128,135,136,139).CCLS.)<br>((385/11,14-17,24,27,28).CCLS.)))  |                     |                    |
| _        | 47    | (switch\$4 and (polariz\$6 same mode same  | ווכסאידי            | 2002/11/05 17:45   |
|          | ] "   | dispersion same compensat\$4)) and   | USPAT;<br>US-PGPUB; | 2002/11/05 17:45   |
|          |       | ((polariz\$6 same mode same dispersion same  | EPO; JPO;           |                    |
|          |       | compensat\$4) and  | DERWENT             |                    |
|          | , ,   | (((359/115,117,124,128,135,136,139).CCLS.)   |                     |                    |
|          |       | ((385/11,14-17,24,27,28).CCLS.)))  |                     |                    |
| -        | 126   | switch\$4 and (polariz\$6 same mode same   | USPAT;              | 2002/11/06 11:55   |
| . 1      |       | dispersion same compensat\$4)  | US-PGPUB;           |                    |
|          |       |  | EPO; JPO;           |                    |
|          | .     |  | DERWENT             |                    |
| - '      | 9607  | (385/11,14-17,24,27,28).CCLS.  | USPAT;              | 2002/11/06 11:55   |
|          | ,     | •  | US-PGPUB;           |                    |
|          |       |  | EPO; JPO;           | '                  |
|          | 3366  | /250/115 117 104 100 105 106 106   | DERWENT             | 0000/11/10         |
| -        | 3366  | (359/115,117,124,128,135,136,139).CCLS.  | USPAT;              | 2002/11/06 11:55   |
|          |       |  | US-PGPUB;           |                    |
|          |       |  | EPO; JPO;           |                    |
|          |       | •  | DERWENT             | į.                 |

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| Companies   Comp   |     |          | · · · · · · · · · · · · · · · · · · ·     |          |                  |
|--|-----|----------|---|----------|------------------|
| ((1385/11,14-17,24,27,28),CCLS.) ((1385/115,17,124,128,135,136,139),CCLS.)) ((381/15,17,124,128,135,136,139),CCLS.)) ((385/115,17,124,128,135,136,139),CCLS.)) ((385/11,14-17,24,27,28),CCLS.) ((385/11,14-17,24,27,28),CCLS.) ((385/11,17,124,128,135,136,139),CCLS.)) ("538/115,17,124,128,135,136,139),CCLS.)) ("538/115,17,124,128,135,136,139),CCLS.)) ("555/1339"   "5504609"   "5532864"   "5557439"   "5604609"   "5512832"   "5715076"   "5726784"   "5745582"   "5784184"   "57726784"   "5745582"   "5808766"   "5398309"   "5940439"   "5808766"   "5398309"   "5940439"   "5808766"   "55086288"   "5502699"   "5671155"   "6181450"   "6185022"   "57115076"   "57726784"   "5726784"   "5745582"   "5784184"   "5798855"   "5808766"   "5808766"   "5808766"   "5745822"   "5784184"   "5798855"   "5808766"   "5808766"   "6330377", PN.)  31 ((385/11,14-17,24,27,28),CCLS.)) ((385/11,14-17,24,27,28),CCL   | -   | 122      |   | USPAT;   | 2002/11/06 11:55 |
|  |     |          |   |          | 1                |
| -  |     |          | (((385/11,14-17,24,27,28).CCLS.)          | 1 .      |                  |
| dispersion same compensats41) and ((388/11,14-17,24,27,28).CLS.)   |     |          |   |          |                  |
| ((1385/11,14-17,24,27,28).CCLS.) ((385/115,17,124,128,135,136,139).CCLS.)) ("4694471"   "4995101"   "5018142"   "531346"   "5504609"   "5512864"   "5557439"   "5602669"   "5512862"   "57811346"   "5798855"   "5712932"   "5715076"   "5798859"   "5808760"   "5808766"   "5938309"   "5940439"   "6115157"   "6181450"   "6185022"   "56022696"   "55131346"   "5504609"   "5532864"   "557439"   "5602669"   "5512662"   "55126922"   "5715076"   "57574389"   "5602669"   "5512932"   "5715076"   "5726784"   "5714932"   "5715076"   "5726784"   "5714932"   "5716076"   "5726784"   "5745582"   "5784184"   "598855"   "5602760"   "5808766"   "5938309"   "5404039"   "5754184"   "4995101"   "6185022"   "622296"   "623077").PN.  31 ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and ((385/11,14-17,24,27,28).CCLS.)) ((385/11,14-17,24,27,28).CCLS.)) ((385/11,14-77,24,27,28).CCLS.) ((385/11,14-77,24,27,28).CCLS.) ((385/11,14-77,24,27,28).CCLS.) ((385/11,14-77,24,27,28).CCLS.) ((385/11,14-77,24,27,28).CCLS.) ((385/11,14-77,24,27,28).CCLS.) ((385/11,14-17,24,27,28).CCLS.) ((385/11,14-17,24,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5131346"   "5704696"   "5732682"   "5784184"   "57326784"   "574582"   "5784184"   "57326764"   "57326784"   "5784184"   "57326764"   "5732682"   "5784184"   "57326764"   "5732678"   "5808766"   "5938309"   "5940439"   "5808766"   "5938309"   "5940439"   "5808766"   "5732676"   "5808766"   "5732676"   | -   | 46       | (switch\$4 and (polariz\$6 same mode same | 1        | 2002/11/06 11:55 |
| (359/115,117,124,128,135,136,139).CCLS.))  (4694471"   "4995101"   "5018142"   USPAT    "5311346"   "4995101"   "5522664"    "5557439"   "5502669"   "55723266"    "5578318"   "55968615"   "5712932"    "5758184"   "5726784"   "574582"    "5784184"   "5798855"   "5808760"    "5808766"   "5938309"   "5904339"    "61515157"   "6181450"   "6195022"    "6226296"   "6233077").PN.  18 witch54 and ("46544471"   "4995101"    "5018142"   "5514398"   "5504609"    "55732864"   "5557439"   "5506669"    "55713156"   "6580238"   "5696615"    "57112932"   "5754798"   "5502669"    "5745582"   "5754798"   "5502669"    "5745582"   "5754798"   "5502669"    "5745582"   "5784184"   "5798955"    "5940439"   "5969840"   "6031644"    "6040933"   "5969840"   "6031644"    "6040933"   "5115157"   "6181450"    "6185022"   "6226256"   "6233077").PN.)  ((switch54 and (polariz\$6 same mode same    d((18871,14-17,24,27,28).CCLS.)))  nct ("4694471"   "4995101"   "5018142"    "511366"   "57662669"   "5712522"    "5718076"   "5766269"   "5712522"    "5718076"   "5766269"   "5712522"    "5718076"   "5726784"   "5745582"    "5808766"   "593809"   "5940433"    "6115157"   "6181450"   "6185022"    "6226296"   "6233077"),PN.)  43 (switch54 and (polariz56 same mode same    dispersion same compensat\$4)) and    (((385711,14-17,24,27,28).CCLS.)))  (("6464471"   "4995101"   "5018142"    "5774184"   "57602669"   "571156"    "680238"   "5606155"   "5712532"    "5715076"   "5726784"   "5745582"    "57574184"   "57060669"   "5712532"    "57574184"   "57060669"   "5712532"    "5715076"   "5726784"   "5745582"    "57741841"   "4995101"   "5018142"    "5113157"   "6181450"   "6185022"    "5784184"   "5798855"   "5606615"    "5808766"   "5938030"   "5940433"    "6115157"   "6181450"   "5504609"    "5808766"   "5938030"   "5504609"    "5808766"   "5938030"   "5504609"    "5808766"   "5938030"   "5804033"    "6115157"   "6181450"   "6185022"    "57741846"   "5798855"   "5808760"    "5808766"   "5930414"   "5708122"    "575413414"   "4995101"   "5018142"    "575741841"   |     |          |   |          |                  |
| - 29 ("4694471"   "4995101"   "5018142"   USPAT  |     |          |   | 1        |                  |
| "5511346"   "5504609"   "5522864"   "557439"   "5602669"   "561156"   "5680238"   "56026615"   "5712932"   "5715076"   "5726784"   "5728582"   "5784184"   "5726784"   "5728582"   "5784184"   "5726784"   "5786828"   "5808766"   "5938309"   "5904033"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077") PN "8518142"   "651142"   "4995101"   USPAT   "5018142"   "6557439"   "5604608"   "5532864"   "5557439"   "5604608"   "5571156"   "5567398"   "5604608"   "5711232"   "5711232"   "5966613"   "5711232"   "571232"   "5766613"   "5745582"   "57804768"   "598855"   "5808760"   "8004768"   "6031644"   "6040933"   "6115157"   6031644"   "618022"   "6226296"   6623077", PN.)   ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385711,14-17,24,27,28).CCLS.)))   not ("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5580238"   "5606669"   "5671156"   "5808766"   "5938099"   "5940439"   "596940"   "6031644"   "6040933"   "6151517"   "6181450"   "6185022"   "5715076"   "5726784"   "5745582"   "5808766"   "5938099"   "5940439"   "6151517"   "6181450"   "6185022"   "6226296"   "6233077", PN.)   (((385711,14-17,24,27,28).CCLS.)))   (((385711,14-17,24,27,28).CCLS.))   ((385711,14-17,24,27,28).CCLS.))   ((385711,14-17,24,27,28).CCLS.)   ((385711,14-17,24,27,28).CCLS.)   ((385711,14-17,24,27,28).CCLS.)   ((385711,14-17,24,27,28).CCLS.)   ((385711,14-17,24,27,28).CCLS.)   ((385711,14-17,24,27,28).CCLS.)   ((385711,14-17,24,27,28).CCLS.)   ((385711,17,14,17,24,27,28).CCLS.)   ((385711,17,14,17,24,27,28).CCLS.)   ((385711,17,14,17,24,27,28).CCLS.)   ((38560238"   "5504609"   "5501842"   "5557439"   "5606665"   "5671156"   "5808766"   "5938030"   "5940439"   "5557499"   "5606666"   "5711592"   "5715076"   "5726784"   "5745582"   "5754184"   "5746669"   "5712522"   "5715076"   "5726784"   "5745582"   "5784184"   "5746666"   "5712522"   "5754184"   "5966666"   "5711560"   "5808766"   "5930800"   "5940439"   "5808766"   "5993041"   "5940339"   "6115157"   "6181450"   "6185022"   "57  |     | 20       |   |          |                  |
| "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712522"   "5718076"   "5726784"   "5745882"   "5784184"   "5794855"   "5808766"   "5808766"   "5938309"   "5940339"   "6115157"   "6181450"   "6155022"   "6226296"   "623077"), PN.  18   | -   | 29       |   | USPAT    | 2002/11/06 13:34 |
| "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "574582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5904039"   "5969940"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "623307").PN.  18 switch\$4 and ("4694471"   "4995101"   "5518142"   "5511346"   "5504609"   "5532864"   "5557439"   "5602669"   "5761156"   "5680238"   "5602669"   "5712932"   "5715076"   "5726784"   "5745852"   "5784184"   "5798855"   "5808766"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  31 ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (('4894471"   "4995101"   "5018142"   "5311346"   "5504609"   "552868"   "5808766"   "5938309"   "5557439"   "5502669"   "572156"   "5781184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "6181450"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5808766"   "5838309"   "5940439"   "586980"   "6031644"   "6040933"   "5715076"   "5726784"   "5725282"   "5784184"   "5798855"   "5808760"   "5808766"   "5838309"   "5840439"   "5808766"   "5838309"   "5840439"   "5808766"   "6033644"   "6040933"   "5786980"   "603644"   "6040933"   "5786980"   "603644"   "6040933"   "5786980"   "603644"   "6040933"   "5786980"   "603644"   "6040933"   "5786980"   "603644"   "6040933"   "5786980"   "603644"   "6040933"   "5786980"   "603644"   "6040933"   "5786980"   "603644"   "6040933"   "5786980"   "603644"   "6040933"   "5786980"   "603644"   "6040933"   "5786980"   "603644"   "6040933"   "5786980"  |     | 1        |   | <b>:</b> |                  |
| "5715076"   "5726784"   "5745822"   "5784184"   "5798855"   "5808760"   "590840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077") PN.  18 witch\$4 and ("4694471"   "4995101"   "5018142"   "5557439"   "5504609"   "5552864"   "5557439"   "556665"   "57671156"   "55670238"   "5696615"   "57112932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "6185022"   "6226296"   "6233077") PN.)  31 ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) and (((385/11,14-17,24,27,28).CCLS.))   "5567135"   "55602669"   "501156"   "578184"   "55946991"   "5018142"   "5131346"   "5594691"   "5018142"   "515157"   "6181450"   "6185022"   "5808766"   "5594033"   "5940439"   "5959940"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5784184"   "5798855"   "5808766"   "5808766"   "5938309"   "5940439"   "5808766"   "5938309"   "5940439"   "5808766"   "50181450"   "6185022"   "6125157"   "6181450"   "6185022"   "612626296"   "6233077") PN.)  43 (witch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((385/11,14-17,24,27,28).CCLS.)) ((385/11,14-17,24,27,28).CCLS.)) ((385/11,14-17,24,2  |     |          |   |          | 1                |
| "5784184"   "5798855"   "808760"   "59808766"   "5998109"   "5940399"   "5969840"   "6031644"   "6040333"   "6115157"   "6181450"   "6195022"   "6226296"   "6233077"), PN  switch84 and (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "532264"   "5557439"   "5602669"   "5712932"   "5715076"   "5726784"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808766"   "5808766"   "5938309"   "5940439"   "6031644"   "6040933"   "6185022"   "6222696"   "6233077"), PN.)  31 ((switch84 and (polarizs6 same mode same dispersion same compensat84)) and (((385/11,14-17,24,27,28),CCLS.))   "531346"   "5504609"   "5631156"   "5784184"   "5798855"   "5608760"   "5808766"   "5526784"   "5745822"   "5784184"   "5798855"   "5608760"   "5808766"   "5808760"   "5087156"   "57860238"   "5606615"   "512032"   "5715076"   "5726784"   "5745822"   "6226296"   "6233077"), PN.)  43 (switch84 and (polariz86 same mode same dispersion same compensat84)) not (((385/11,14-17,24,27,28),CCLS.))   ((385/11,14-17,24,27,28),CCLS.))   ((385/11,14-17,24,27,28),CCLS.)   ((385/11,14-17,24,27,28),CCLS.)   ((385/11,14-17,24,27,28),CCLS.)   ((385/11,14-17,24,27,28),CCLS.)   ((385/11,14-17,24,27,28),CCLS.)   ((385/11,14-17,24,27,28)   |     |          |   |          | 1                |
| "5508766"   "5938309"   "5940439"   "5568840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.  18 witch\$4 and (("4694471"   "4995101"   "5018142"   "55131346"   "5504609"   "5532864"   "5557439"   "5502669"   "5712932"   "5715076"   "5726784"   "5745582"   "57784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.) ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385711,14-17,24,27,28).CCLS.))) not (("4694471"   "4995101"   "5018142"   "55131346"   "5502669"   "5671156"   "5784184"   "5798551"   "5808760"   "5808760"   "5526784"   "5745582"   "57518749"   "5502699"   "5671156"   "5808766"   "5538309"   "5940439"   "5968229"   "6233077").PN.) 43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385711,14-17,24,27,28).CCLS.))) ((378711,14-17,24,27,28).CCLS.)) ((385711,14-17,24,27,28).CCLS.)) ((385711,14-17,24,128,135,136,139).CCLS.))) ((3860238"   "5966615"   "5712932"   "5715076"   "5712784"   "57125932"   "5715076"   "5712784"   "57125932"   "5715076"   "5908766"   "5671156"   "5808766"   "5938309"   "5908439"   "5908766"   "5938309"   "5908439"   "5969880"   "6031644"   "6040933"   "5115157"   "6181450"   "6185022"   "571507  |     |          |   |          | 1                |
| "5969840"   "6031644"   "6040933"   "6115157"   "6181650"   "6185022"   "6226296"   "62330777), PN.  ***switch\$4 and (("4694471"   "4995101"   "5018142"   "5511346"   "5504609"   "5532864"   "5557439"   "5602669"   "5571256"   "560236615"   "5712932"   "5715076"   "5726784"   "574552"   "5781484"   "5798855"   "5808760"   "5808766"   "5938309"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "623077"), PN.)  ***((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) and (((38571,14-417,24,27,28).CCLS.)) ((359711,14-417,24,27,28).CCLS.)) ((3597115,17,124,128,135,136,139).CCLS.))) not (("4694471"   "4995101"   "5018142"   "5574399"   "5506615"   "5712932"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "59404339"   "615157"   "6181450"   "6185022"   "6226296"   "623077"), PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) and (((38571,14-17,24,27,28).CCLS.))) (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) and (((38571,14-17,24,27,28).CCLS.))) (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) and (((38571,14-17,24,27,28).CCLS.))) ((15871,14-17,24,27,28).CCLS.)) ((15871,14-17,24,27,28  |     |          |   | ·        |                  |
| "6115157"   "6181450"   "6185022"   "6226296"   "6223077").PN switch\$4 and (("4694471"   "4995101"   "5018142"   "5511346"   "5504669"   "55732864"   "5557439"   "5602669"   "5571156"   "5580236"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "57784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  31 ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) and (((385/11,14-17,24,27,28).CCLS.))) not (("4694471"   "4995101"   "5018142"   "5313346"   "5504609"   "5528644"   "5557439"   "5602669"   "5671156"   "5808288"   "5596615"   "5712932"   "5784184"   "5798855"   "5808760"   "8808766"   "5938309"   "59404399   "6226296"   "6233077").PN.  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not ((switch\$4 and (solariz\$6 same mode same dispersion same compensat\$4)) not ((switch\$4 and (solariz\$6 same mode same dispersion same compensat\$4)) not ((switch\$4 and (solariz\$6 same mode same dispersion same compensat\$4)) not (switch\$4 and (solariz\$6 same mode same dispersion same compensat\$4) not (switch\$4 and (solariz\$6 same mode same dispersion same compensat\$4) not (switch\$4 and (solariz\$6 same same dispersion same compensat\$4) not (switch\$4 and (solariz\$6 same same dispersion same c       |     |          |   |          | · ·              |
| "6226296"   "6233077"). PN.  18 switch%4 and (("464471"   "499510]"   "5018142"   "5311346"   "5504609"   "551816"   "5557439"   "5602669"   "5571156"   "5557439"   "5602669"   "5712932"   "5715076"   "5726784"   "5745562"   "57861844"   "5798855"   "5808760"   "5808766"   "5988309"   "6940493"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6222696"   "6233077"). PN.)  31 ((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) and (((385711,14-17,24,27,28).CCLS.)) ((359715,117,124,128,135,136,139).CCLS.))) not (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "59404333"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  43 (switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not (((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not (((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not (((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not (((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not (((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not (((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not (((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not (((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not ((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not ((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not ((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not ((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not ((switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not (switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not (switch%4 and (polariz%6 same mode same dispersion same compensat%4)) not (switch%4 and (polariz%6 same mode same dispersion same compensat%4   |     |          |   |          |                  |
| -  |     |          |   | ,        |                  |
| "5518142"   "551346"   "5504609"   "5512864"   "551739"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "57808766"   "5938309"   "5940439"   "5596840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "622696"   "6233077").PN.)  ((switch\$4 and (polari2\$6 same mode same dispersion same compensat\$41) and (((385/11,14-17,24,27,28).CCLS.)) not (("4694471"   "4995101"   "5018142"   "5784184"   "5798855"   "5808766"   "5808766"   "5938309"   "5540339"   "5784184"   "579855"   "5808760"   "5808766"   "5938309"   "5540439"   "5784184"   "579855"   "5808760"   "5808766"   "6233077").PN.)  43 (switch\$4 and (polari2\$6 same mode same dispersion same compensat\$41) not (((switch\$4 and (polari2\$6 same mode same dispersion same compensat\$41) not (((switch\$4 and (polari2\$6) same mode same dispersion same compensat\$41) not (((switch\$4 and (polari2\$6) same mode same dispersion same compensat\$41) not (((switch\$4 and (polari2\$6) same mode same dispersion same compensat\$41) not (((switch\$4 and (polari2\$6) same mode same dispersion same compensat\$41) not (((switch\$4 and (polari2\$6) same mode same dispersion same compensat\$41) not (((switch\$4 and (polari2\$6) same mode same dispersion same compensat\$41) not (((switch\$4 and (polari2\$6) same mode same dispersion same compensat\$41) not (((switch\$4 and (polari2\$6) same mode same dispersion same compensat\$41) not (((switch\$4 and (polari2\$6) same mode same dispersion same compensat\$41) not ((switch\$4 and (polari2\$6) same mode same dispersion same compensat\$41) not ((switch\$4 and (polari2\$6] same mode same dispersion same compensat\$41) not ((switch\$4 and (polari2\$6] same mode same dispersion same compensat\$41) not ((switch\$4 and (polari2\$6] same mode same dispersion same compensat\$41) not ((switch\$4 and (polari2\$6] same mode same dispersion same compensat\$41) not ((switch\$4 and (polari2\$6] same mode same dispersion same compensat\$41) not ((switch\$4 and (polari2\$6] same mode same dispersion same compensat\$61] not same same same same    | , i |          |   |          |                  |
| "5522864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5404033"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  31 ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.)) ((359/115,117,124,128,135,136,139).CCLS.))) not (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5531156"   "5557439"   "5602669"   "5671156"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6) same mode same dispersion same compensat\$4)) not ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4) and ((switch\$4 and (solariz\$6))   "5018142"   "55131346"   "5504609"   "55018142"   "5513146"   "5504609"   "5508142"   "55802386"   "569666"   "5938309"   "5940439"   "5608666"   "5938309"   "5940439"   "5808766"   "5908760"   "573457"   "5659412"   "5745591   "6226296"   "6223077").PN.))  - 8 ("5311346"   "56030414"   "6016379"   "5892100"   "5930414"   "6016379"   "5892100"   "5930414"   "6016379"   "5892100"   "5930414"   "6016379"   "5892100"   "5930414"   "6016379"   "5892100"   "5930414"   "6016379"   "5892100"   "5930414"   "6016379"   "5892100"   "5930414"   "6016379"   "5892100"   "5930414"   "6016379"   "5892100"   "5930414"   "6016379"   "5930414"                                |     | 18       |   | USPAT    | 2002/11/06 13:45 |
| "5571156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940433"   "5969840"   "6031644"   "6185022"   "62226296"   "6233077").PN.)  ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) and (((385/11,14-17,24,27,28).CCLS.))) not (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "552864"   "5587439"   "5602669"   "5671156"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "6115157"   "6181450"   "6185022"   "6226296"   "623077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not ((ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not ((ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not ((ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not ((ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not ((ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not ((ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not ((ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not ((ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not ((ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not ((ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not (ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not (ssyitch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not (ssyitch\$4 and (polariz\$6 same mode same dispersion same compe  |     |          |   |          |                  |
| "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5988309"   "5940433"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) and (((385/11,14-17,24,27,28).CCLS.)) not (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5712932"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not ((((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.))) (("4694471"   "4995101"   "5018142"   "5313346"   "5504609"   "53532864"   "53630238"   "5696615"   "5712932"   "5715076"   "5726784"   "57358264"   "53630238"   "5696615"   "5712932"   "5715076"   "5726784"   "573532864"   "5557439"   "5504609"   "55372864"   "5557439"   "5504609"   "5532864"   "5587439"   "5602669"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "57808866"   "5938309"   "5940439"   "57808766"   "57387858"   "5808760"   "5808766"   "57388309"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "57808866"   "5938309"   "5940439"   "57808766"   "5738759"   "5808760"   "5808766"   "5938309"   "5940439"   "57808866"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.))  8 ("5311346"   "579855"   "5808760"   "5808766"   "5938309"   "5940439"   "5781848"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5781849"   "579855"   "5808760"   "5781849"   "579855"   "5808760"   "5781849"   "579855"   "5808760"   "5781849"   "579855"   "5808760"   "5781849"   "579855"   "5808760"   "5781849"   "579855"   "5808760"   "5781849"   "579855"   "5808760"   "57808766"   "5938309"   "5940439"   |     | 1        |   |          |                  |
| "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "5969840"   "6031644"   "6185022"   "6262696"   "6233077").PN.)  ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.)) not (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "56602669"   "5561156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5898766"   "5938309"   "5940439"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$6,10 and same dispersion same compensat\$6,10 and same dispersion same compensat\$6,10 and same dispersion same compensat\$6,10 and same dispersion same compensat |     |          | ·   |          | · ·              |
| "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  31 ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.)) ((385/115,117,124,128,135,136,139).CCLS.))) not (("4694471"   "4995101"   "5518142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5808766"   "5938309"   "5940439"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "61262696"   "66233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.))) (("4694471"   "4995101"   "5018142"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.))) (("4694471"   "4995101"   "5018142"   "5511346"   "5504609"   "5532864"   "5580288"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "579855"   "5808760"   "5808766"   "5538309"   "5504039"   "5808766"   "5538309"   "5712692"   "5784184"   "579855"   "5808760"   "5808766"   "5538309"   "5940439"   "5808766"   "5538309"   "5940439"   "5808766"   "5538309"   "5940439"   "5808766"   "5538309"   "5940439"   "5808766"   "5538309"   "5640439"   "5808766"   "5538309"   "5940439"   "5808766"   "5538309"   "5940439"   "5808766"   "5538309"   "5940439"   "5808766"   "5538309"   "5940439"   "5808766"   "633077").PN.))  |     |          |   |          |                  |
| "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.) ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.))) not (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "557439"   "5602669"   "5571156"   "5784184"   "5798855"   "5704609"   "5784184"   "5798855"   "5908760"   "5808766"   "5938309"   "5940439"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((387/11,14-17,24,27,28).CCLS.))) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5571156"   "558038"   "5606669"   "5671156"   "558038"   "5606669"   "5671156"   "57804184"   "5798855"   "57012932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5808766"   "5938309"   "5940439"   "5808766"   "6333077").PN.))  8 ("5311346"   "6185022"   "6226296"   "6233077").PN.))  |     | i        |   | 1        |                  |
| "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  31 ((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) and (((385/11,14-17,24,27,28).CCLS.)) ((385/115,117,124,128,135,136,139).CCLS.))) not (("4694471"   "4995101"   "5018142"   "5511346"   "5504609"   "5671156"   "5580238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5808766"   "5938309"   "5940439"   "615157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) and (((385/11,14-17,24,27,28).CCLS.)) (("365/11,14-17,24,128,135,136,139).CCLS.))) (("6694471"   "4995101"   "5018142"   "5511346"   "5504609"   "55712932"   "5781184"   "5798855"   "5712932"   "5784184"   "5798855"   "5712932"   "55784184"   "5798855"   "5712932"   "5557439"   "5602669"   "5671156"   "580238"   "5696615"   "5712932"   "57515076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5784184"   "5798855"   "5808760"   "5808766"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) ("6226296"   "6233077").PN.)) ("5822100"   "69311346"   "6185022"   "6226296"   "6233077").PN.)) ("5822100"   "5930414"   "6016379"   |     |          |   | ,        |                  |
| "6185022"   "6226296"   "6233077") PN.)  |     |          |   |          | · ·              |
| 31   |     |          |   | •        |                  |
| dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.))) not (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5531346"   "5504609"   "5532864"   "5580238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "6115157"   "6181450"   "6185022"   "6216296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((385/11,14-17,24,27,28).CCLS.)) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5511346"   "5504609"   "5571156"   "5580238"   "5696615"   "5712932"   "5784184"   "5798855"   "5808760"   "5808766"   "5738309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "62622696"   "6233077").PN.)) ("4694471"   "6181450"   "6185022"   "62622696"   "6233077").PN.)) ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19 "5822100"   "5930414"   "6016379"   |     |          | · · · · · · · · · · · · · · · · · · ·     | i        |                  |
| (((385/11,14-17,24,27,28).CCLS.)) ((359/115,117,124,128,135,136,139).CCLS.))) not (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "571156"   "5784184"   "5798855"   "5808760"   "5808766"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.) (((385/11,14-17,24,27,28)).CCLS.))) (((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5512864"   "5580238"   "5696615"   "5712932"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5580766"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5784184"   "5798855"   "5808760"   "5808766"   "623077").PN.)) (("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19   "5822100"   "59330414"   "6016379"  | -   | 31       |   | USPAT    | 2002/11/06 15:45 |
| ((359/115,117,124,128,135,136,139).CCLS.))) not (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.)) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "552864"   "5557439"   "5502669"   "5671156"   "5680238"   "55066615"   "5712932"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5508940"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.))  8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19   "5822100"   "5930414"   "6616379"  |     |          |   |          |                  |
| not (("4694471"   "4995101"   "5518142"   "5311346"   "5504609"   "5571156"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "626296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41)) and (((385/11,14-17,24,27,28).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5518142"   "557439"   "5602669"   "551156"   "5580238"   "5696615"   "5712932"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "57808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19   "5822100"   "5930414"   "6616379"   |     | İ        |   |          |                  |
| "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5968840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((385/11,14-17,24,27,28).CCLS.)) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5784184"   "5798855"   "5808760"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "57969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19  |     |          |   |          |                  |
| "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "574582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.)) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5784184"   "5798855"   "5808760"   "5808766"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5808766"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077".PN.)) "6226296"   "6233077".PN.) "62262096"   "6233077".PN.) "5822100"   "5930414"   "6016379"  |     |          |   |          |                  |
| "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  - 43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.)) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5518142"   "5517439"   "5504609"   "5532864"   "5557439"   "5504609"   "5532864"   "5580238"   "5696615"   "5712932"   "5784184"   "579855"   "5808760"   "5808766"   "5938309"   "55940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.))  8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19  |     |          |   |          |                  |
| "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$41)) and (((385/11,14-17,24,27,28).CCLS.)) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.))  8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19   "5822100"   "5930414"   "6616379"   |     |          |   |          |                  |
| "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.)) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5571156"   "5580238"   "5602669"   "5671156"   "5784184"   "5798855"   "5712932"   "5784184"   "5798855"   "5745882"   "5784184"   "5798855"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.))  8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19  |     | i        |   |          | ,                |
| "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.) (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.))  8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19   |     |          |   |          | •                |
| "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.) (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.))  8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19   |     |          |   |          | ,                |
| "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)  43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.) ((359/115,117,124,128,135,136,139).CCLS.)) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.))  - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19  |     |          |   |          | •                |
| - 43 (switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.)) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) ("5822100"   "5930414"   "6016379"   USPAT 2002/11/06 16:19   |     | <u> </u> |   |          |                  |
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| dispersion same compensat\$4)) not (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.))  - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19 "5822100"   "5930414"   "6016379"   |     |          |   |          |                  |
| (((switch\$4 and (polariz\$6 same mode same dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLs.) ((359/115,117,124,128,135,136,139).CCLs.))) (("4694471"   "4995101"   "55018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5988766"   "599840439"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19 "5822100"   "5930414"   "6016379"  | -   | 43       |   | USPAT    | 2002/11/06 15:45 |
| dispersion same compensat\$4)) and (((385/11,14-17,24,27,28).CCLS.) ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5518142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "567156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19 "5822100"   "5930414"   "6016379"  |     |          |   | ,        |                  |
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| ((359/115,117,124,128,135,136,139).CCLS.))) (("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19   |     |          |   |          | •                |
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| "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19   |     |          |   |          |                  |
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| "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN)) - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19 "5822100"   "5930414"   "6016379"  |     |          | · · · · · · · · · · · · · · · · · · ·     |          |                  |
| "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN)) - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19 "5822100"   "5930414"   "6016379"  |     |          |   |          |                  |
| "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19 "5822100"   "5930414"   "6016379"   | ŀ 1 |          |   |          |                  |
| "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19 "5822100"   "5930414"   "6016379"   |     |          |   | ·        | ·                |
| "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19 "5822100"   "5930414"   "6016379"   | .   |          | ,   |          |                  |
| "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.)) - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19 "5822100"   "5930414"   "6016379"   |     |          | ,   |          |                  |
| "6226296"   "6233077").PN.)) - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19 "5822100"   "5930414"   "6016379"   |     |          |   | . *      |                  |
| - 8 ("5311346"   "5473457"   "5659412"   USPAT 2002/11/06 16:19  |     | i        | · · · · · · · · · · · · · · · · · · ·     |          |                  |
| "5822100"   "5930414"   "6016379"  |     | _ ا      |   |          | 0000/11/05 15 15 |
|  | -   | 8        |   | USPAT    | 2002/11/06 16:19 |
| "6104515"   "62/1922").PN.   |     |          |   |          | Ī                |
|  | L   |          | "61U4515"   "62/1922").PN.                |          | j                |